

REASONS TO CONSIDER STORM DAMAGE REDUCTION THROUGH BEACH NOURISHMENT



IN 1964 I DROVE THE BEACH FROM
OREGON INLET TO THE NC/VA LINE
AND BACK FOR A COAST GUARD DRILL



POSTAL SERVICE INTERRUPTED.
12, 158 AND TOWN STREETS FLOODED.
DUNES DESTROYED.
BUSINESS AND TRANSPORTATION ISSUES



1991 HALLOWEEN NOR'EASTER

ROUTINE ACCESS FROM NORTH TO SOUTH
IN DARE COUNTY LIMITED.

FIRE, EMS, POLICE RESPONSE IMPACTED.
WORKING PEOPLE CANNOT GET TO WORK.



1991 HALLOWEEN NOR'EASTER

AFTER ISABEL, FEMA BUILDS A DUNE
THE DUNE STARTS TO ERODE ON THE
NORTH END BEFORE COMPLETED ON THE
SOUTH END.



TWO PROPERTY OWNERS REFUSED TO
SIGN EASEMENTS FOR THE DUNE.
DUNE WAS NOT PLACED AT THOSE
LOCATIONS.



ROUTINE NOR'EASTER WITH OVERWASH. ISABEL DUNE IS LONG GONE



OVERWASH MORE FREQUENT WITH EVEN A MODERATE STORM



2009 NOR'EASTER

11.13.2009

158 FLOODED WORSE A SECOND TIME.
12 UNDER SEVERAL FEET OF SAND.
POST OFFICE AREA FLOODED WORSE THAN
AFTER ISABEL.



FIREFIGHTERS WADING IN SALT WATER TO FIGHT A SHORT CIRCUIT STARTED HOUSE FIRE.



SANDY FIRE RESPONSE

FIRE TRUCKS AND EQUIPMENT WORTH OVER A MILLION DOLLARS SWIMMING IN SALT WATER



HWY 12 WASHED OUT WHILE 158
IS FLOODED.



HURRICANE SANDY
OCTOBER 2012

A STORM 200 MILES OFFSHORE FLOODED KITTY HAWK FROM NORTH BOUNDARY TO SOUTH BOUNDARY



THE RESTORED DUNE FROM SANDY IS WASHED AWAY BY A MODERATE NOR'EASTER



REMOVING FLOOD WATER AND DEBRIS FULLY FUNDED BY THE TOWN. NO OUTSIDE FUNDING AVAILABLE



WHAT IS THE PURPOSE OF REBUILDING THE BEACH

- 1. REDUCE, MITIGATE OR ELIMINATE DAMAGE TO PUBLIC AND PERSONAL PROPERTY.
- 2. TO ENSURE PUBLIC SAFETY, EMERGENCY ACCESS AND OPEN TRANSPORTATION ROADS.
- 3. TO PRESERVE THE 1/3 OF THE TOWN WHICH ACTS AS A BREAD BASKET FOR THE OTHER 2/3 OF THE TOWN.
- 4. STORM DAMAGE IN KITTY HAWK DOES NOT STAY IN KITTY HAWK. IT AFFECTS THE COUNTY.

PERCEPTION

- IN THIS AGE OF SOCIAL MEDIA, WHEN 12 OR 158 ARE FLOODED IT HAS THE SAME AFFECT ON TOURISM AS PROBLEMS WITH BONNER BRIDGE OR HATTERAS ISLAND 12. SAVING OCEAN FRONT HOMES OR HAVING WIDE BEACHES IN KITTY HAWK ARE INCIDENTAL TO A FAR GREATER NEED. OTHER TOWNS MAY BE SAVING A TAX BASE BUT KITTY HAWK IS TRYING TO SAVE THE TOWN AND BY EXTENSION, THE WELFARE OF THE OBX.